



SEQUENCE LISTING

<110> SANDBERG, LAWRENCE B.
MITTS, THOMAS F.
JIMENEZ JR., FELIPE

<120> ASPARAGINE CONTAINING ELASTIN PEPTIDE ANALOGS

<130> 00-144-US

<140> 09/580,893

<141> 2000-05-30

<160> 75

<170> PatentIn Ver. 2.1

<210> 1

<211> 3

<212> PRT

<213> mammalian

<400> 1

Ala Val Gly

1

<210> 2

<211> 4

<212> PRT

<213> mammalian

<400> 2

Val Gly Ala Gly

1

<210> 3

<211> 3

<212> PRT

<213> mammalian

<400> 3

Ile Gly Gly

1

<210> 4

<211> 2

<212> PRT

<213> mammalian

<400> 4

Leu Gly

1

<210> 5
<211> 4
<212> PRT
<213> mammalian

<400> 5
Ile Gly Ala Gly
1

<210> 6
<211> 3
<212> PRT
<213> mammalian

<400> 6
Leu Gly Gly
1

<210> 7
<211> 4
<212> PRT
<213> mammalian

<400> 7
Val Ala Pro Gly
1

<210> 8
<211> 4
<212> PRT
<213> mammalian

<400> 8
Leu Gly Pro Gly
1

<210> 9
<211> 4
<212> PRT
<213> mammalian

<400> 9
Leu Gly Ala Gly
1

<210> 10
<211> 4
<212> PRT
<213> mammalian

<400> 10
Val Gly Pro Gly

1

<210> 11
<211> 4
<212> PRT
<213> mammalian

<400> 11
Phe Gly Pro Gly
1

<210> 12
<211> 4
<212> PRT
<213> mammalian

<400> 12
Val Gly Pro Gln
1

<210> 13
<211> 3
<212> PRT
<213> mammalian

<400> 13
Leu Gly Ala
1

<210> 14
<211> 4
<212> PRT
<213> mammalian

<400> 14
Val Gly Pro Ala
1

<210> 15
<211> 4
<212> PRT
<213> mammalian

<400> 15
Val Val Pro Gly
1

<210> 16
<211> 4
<212> PRT
<213> mammalian

<400> 16
Ala Val Pro Gly
1

<210> 17
<211> 4
<212> PRT
<213> mammalian

<400> 17
Val Val Pro Gln
1

<210> 18
<211> 6
<212> PRT
<213> mammalian

<400> 18
Val Ala Ala Arg Pro Gly
1 5

<210> 19
<211> 7
<212> PRT
<213> mammalian

<400> 19
Leu Gly Ala Gly Gly Ala Gly
1 5

<210> 20
<211> 4
<212> PRT
<213> mammalian

<400> 20
Ala Ile Pro Gly
1

<210> 21
<211> 5
<212> PRT
<213> mammalian

<400> 21
Leu Gly Pro Gly Gly
1 5

<210> 22

<211> 5
<212> PRT
<213> mammalian

<400> 22
Ala Ala Ala Gln Ala
1 5

<210> 23
<211> 5
<212> PRT
<213> mammalian

<220>
<221> MOD_RES
<222> (4)

<400> 23
Val Gly Val Xaa Gly
1 5

<210> 24
<211> 5
<212> PRT
<213> mammalian

<400> 24
Val Tyr Pro Gly Gly
1 5

<210> 25
<211> 6
<212> PRT
<213> mammalian

<400> 25
Ile Gly Gly Val Gly Gly
1 5

<210> 26
<211> 6
<212> PRT
<213> mammalian

<400> 26
Val Ala Pro Gly Val Gly
1 5

<210> 27
<211> 5
<212> PRT
<213> mammalian

<400> 27
Leu Gly Val Gly Gly
1 5

<210> 28
<211> 4
<212> PRT
<213> mammalian

<400> 28
Leu Val Pro Gly
1

<210> 29
<211> 5
<212> PRT
<213> mammalian

<400> 29
Phe Arg Ala Ala Ala
1 5

<210> 30
<211> 6
<212> PRT
<213> mammalian

<400> 30
Val Gly Gly Val Pro Gly
1 5

<210> 31
<211> 5
<212> PRT
<213> mammalian

<400> 31
Phe Gly Pro Gly Gly
1 5

<210> 32
<211> 5
<212> PRT
<213> mammalian

<400> 32
Val Gly Val Pro Gly
1 5

<210> 33

<211> 6
<212> PRT
<213> mammalian

<400> 33
Val Leu Pro Gly Ala Gly
1 5

<210> 34
<211> 5
<212> PRT
<213> mammalian

<220>
<221> MOD_RES
<222> (4)

<400> 34
Val Gly Leu Xaa Gly
1 5

<210> 35
<211> 5
<212> PRT
<213> mammalian

<400> 35
Leu Gly Val Gly Ala
1 5

<210> 36
<211> 4
<212> PRT
<213> mammalian

<400> 36
Ala Phe Pro Gly
1

<210> 37
<211> 5
<212> PRT
<213> mammalian

<400> 37
Ala Phe Pro Gly Ala
1 5

<210> 38
<211> 5
<212> PRT
<213> mammalian

<400> 38
Val Gly Ile Pro Ala
1 5

<210> 39
<211> 6
<212> PRT
<213> mammalian

<400> 39
Val Gly Gly Ile Pro Thr
1 5

<210> 40
<211> 7
<212> PRT
<213> mammalian

<400> 40
Val Gly Val Gly Val Pro Gly
1 5

<210> 41
<211> 6
<212> PRT
<213> mammalian

<400> 41
Leu Gly Pro Gly Val Gly
1 5

<210> 42
<211> 4
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (1)
<223> ACETYLTATION

<220>
<223> Description of Artificial Sequence: peptide

<400> 42
Val Val Pro Gln
1

<210> 43
<211> 4
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> MOD_RES

<222> (1)

<223> ACETYLTATION

<400> 43

Val Val Pro Gln

1

<210> 44

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> MOD_RES

<222> (1)

<223> ACETYLTATION

<400> 44

Gly Ala Val Val Pro Gln

1

5

<210> 45

<211> 5

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> PEPTIDE

<222> (1)..(5)

<400> 45

Ala Val Val Pro Gln

1

5

<210> 46

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<400> 46
Gly Ala Val Val Pro Gln
1 5

<210> 47
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> MOD_RES
<222> (5)
<223> AMIDATION

<400> 47
Ala Val Val Pro Gln
1 5

<210> 48
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<220>
<223> Description of Artificial Sequence: peptide

<400> 48
Gly Ala Val Val Pro Gln
1 5

<210> 49
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> DISULFID
<222> (1)..(6)
<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 49
Cys Val Val Pro Gln Cys

1

5

<210> 50
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> DISULFID
<222> (1)..(7)
<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 50
Cys Ala Val Val Pro Gln Cys
1 5

<210> 51
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> DISULFID
<222> (1)..(8)
<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 51
Cys Gly Ala Val Val Pro Gln Cys
1 5

<210> 52
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(5)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 5

<400> 52
Cys Val Val Pro Gln Cys
1 5

<210> 53
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(7)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 7

<400> 53
Cys Ala Val Val Pro Gln Cys
1 5

<210> 54
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(8)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 8

<400> 54
Cys Gly Ala Val Val Pro Gln Cys
1 5

<210> 55
<211> 4
<212> PRT
<213> mammalian

<400> 55
Val Val Pro Asn
1

<210> 56
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 56
Ala Val Val Pro Asn
1 5

<210> 57
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 57
Gly Ala Val Val Pro Asn
1 5

<210> 58
<211> 5
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> MOD_RES
<222> (5)
<223> AMIDATION

<400> 58
Ala Val Val Pro Asn
1 5

<210> 59
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> MOD_RES
<222> (6)
<223> AMIDATION

<400> 59
Gly Ala Val Val Pro Asn
1 5

<210> 60
<211> 6
<212> PRT
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> DISULFID

<222> (1)..(6)

<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 60

Cys Val Val Pro Asn Cys

1

5

<210> 61

<211> 7

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> DISULFID

<222> (1)..(7)

<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 61

Cys Ala Val Val Pro Asn Cys

1

5

<210> 62

<211> 8

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> DISULFID

<222> (1)..(8)

<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 62

Cys Gly Ala Val Val Pro Asn Cys

1

5

<210> 63

<211> 6

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: peptide

<220>

<221> METAL
<222> (1)..(6)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 6

<400> 63
Cys Val Val Pro Asn Cys
1 5

<210> 64
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(7)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 7

<400> 64
Cys Ala Val Val Pro Asn Cys
1 5

<210> 65
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(8)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 8

<400> 65
Cys Gly Ala Val Val Pro Asn Cys
1 5

<210> 66
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 66
Leu Gly Ala Gly Gly Ala Gly Val
1 5

<210> 67
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<400> 67
Leu Gly Ala Gly Gly Ala Gly Val Leu
1 5

<210> 68
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> MOD_RES
<222> (8)
<223> AMIDATION

<400> 68
Leu Gly Ala Gly Gly Ala Gly Val
1 5

<210> 69
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> MOD_RES
<222> (9)
<223> AMIDATION

<400> 69
Leu Gly Ala Gly Gly Ala Gly Val Leu
1 5

<210> 70
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> DISULFID
<222> (1)..(9)
<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 70
Cys Leu Gly Ala Gly Gly Ala Gly Cys
1 5

<210> 71
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> DISULFID
<222> (1)..(10)
<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 71
Cys Leu Gly Ala Gly Gly Ala Gly Val Cys
1 5 10

<210> 72
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> DISULFID
<222> (1)..(11)
<223> TERMINAL CYSTEINES FORM DISULFIDE BOND

<400> 72
Cys Leu Gly Ala Gly Gly Ala Gly Val Leu Cys
1 5 10

<210> 73
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL

<222> (1)..(9)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 9

<400> 73
Cys Leu Gly Ala Gly Gly Ala Gly Cys
1 5

<210> 74
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(10)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 10

<400> 74
Cys Leu Gly Ala Gly Gly Ala Gly Val Cys
1 5 10

<210> 75
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: peptide

<220>
<221> METAL
<222> (1)..(11)
<223> METAL IS COPPER; BINDING TO LOCATION 1 AND 11

<400> 75
Cys Leu Gly Ala Gly Gly Ala Gly Val Leu Cys
1 5 10